

DNAxPAb

Hard-to-Find  
Antibody

# ENPP1 DNAxPAb

Catalog # H00005167-W01P

Size 200 ug

## Specification

**Product Description** Rabbit polyclonal antibody raised against a full-length human ENPP1 DNA using DNAx™ Immune technology.

**Technology** [DNAx™ Immune](#)

**Immunogen** Full-length human DNA

**Sequence** MDVGEEPLEKAARARTAKDPNTYKVLVLVSVCLTTLGCFGLKPSCAKEVKSCKGRCFERTF  
GNCRCDAACVELGNCCLDYQETCIEPEHMTCKNKFRCGEKRLTRSLCACSDDCDKDGDCCINYS  
SVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRAEYLHTWGGLLPVISKLKKCGTYK  
NMRPVYPTKTFPNHYSVTGLYPESHGIIDNKMYDPKMNASFSLKSKEKFNPEWYKGEPWWTAKY  
QGLKSGTFFWPGSDVEINGIFPDYKMYNGSVPFEEILAVLQWLQLPKDERPHFYTLYLEEPDSS  
GHSYGPVSSEVIKALQRVDGMVGMMDGLKELNLHRCNLILSDHGMEQGSCKKYLYLNKYLGDV  
KNIKVIYGPAARLRPSDVPDKYYSFNYEGIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIEPLT  
FYLDPPQWQLALNPSEKRYCGSGFHGSDNVFSNMQALFVGYPGPFKGHGIEADTFENIEVYNLMCD  
LLNLTPAPNNGTHGSLNHLKPNVYTPKHPKEVHPLVQCPFTRNPRDNLGCSCNPSILPIEDFQQT  
FNLTVAAEEKIKHETLPYGRPRVLQKENTICLLSQHQFMSGYSQDILMPLWTSYTVDRNDSFSTEDF  
SNCLYQDFRIPLSPVHKCSFYKNNTKVSYGFLSPPQLNKNSSGIYSEALLTTNIVPMYQSFQVIWRY  
FHDTLLRKYAEERNGVNVVSGPVDFDYDGRCDLENLRQKRRVIRNQEILIPTHFFMLTSCKDTS  
QTPLHCENLDTLAFILPHRTDNSESCVHGKHDSSWVEELMLHRARITDVEHITGLSFYQQRKEPV  
SDILKLKTHLPTFSQED

**Host** Rabbit

**Reactivity** Human

**Purification** Protein A

**Quality Control Testing** Antibody reactive against mammalian transfected lysate.

**Storage Buffer** In 1x PBS, pH 7.4

**Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — ENPP1

Entrez GeneID [5167](#)

GeneBank Accession# [NM\\_006208.1](#)

Protein Accession# [NP\\_006199.1](#)

Gene Name ENPP1

Gene Alias M6S1, NPP1, NPPS, PC-1, PCA1, PDNP1

Gene Description ectonucleotide pyrophosphatase/phosphodiesterase 1

Omim ID [125853](#) [173335](#) [208000](#) [601665](#) [602475](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (ENPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester bonds of nucleotides and nucleotide sugars and pyrophosphate bonds of nucleotides and nucleotide sugars. This protein may function to hydrolyze nucleoside 5' triphosphates to their corresponding monophosphates and may also hydrolyze diadenosine polyphosphates. Mutations in this gene have been associated with 'idiopathic' infantile arterial calcification, ossification of the posterior longitudinal ligament of the spine (OPLL), and insulin resistance. [provided by RefSeq]

**Other Designations** Ly-41 antigen|OTTHUMP00000043194|alkaline phosphodiesterase 1|membrane component, chromosome 6, surface marker 1|phosphodiesterase I/nucleotide pyrophosphatase 1|plasma-cell membrane glycoprotein 1

## Pathway

- [Metabolic pathways](#)

- [Nicotinate and nicotinamide metabolism](#)
- [Pantothenate and CoA biosynthesis](#)
- [Purine metabolism](#)
- [Riboflavin metabolism](#)
- [Starch and sucrose metabolism](#)

## Disease

- [Albuminuria](#)
- [Alzheimer disease](#)
- [Aortic Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Chondrocalcinosis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)

- [Glucose Intolerance](#)
- [Hepatitis C](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Proteinuria](#)
- [Psychotic Disorders](#)
- [Renal Insufficiency](#)

- [Schizophrenia](#)
- [Urinary Bladder Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)